

**Abstract of the Disclosure**

An optical switch is provided in which the difference of the optical loss due to the difference of optical path can be reduced. The optical switch 5 comprises the first switching parts 2A - 2D and the second switching parts 3A - 3D. The first switching parts 2A - 2D each comprise: a planar waveguide device 4 in which four coupling optical waveguides 5a - 5d and an input optical waveguide 6 are provided; and reflection mirrors 8a - 8d for reflecting a light signal incident from the input optical waveguide 6 to the respective coupling 10 optical waveguides 5a - 5d, respectively. The second switching parts 3A - 3D each comprise: a planar waveguide device 9 in which coupling optical waveguides 10a - 10d and an output optical waveguide 11 are provided; and reflection mirrors 13a - 13d for reflecting a light signal incident from the respective coupling optical waveguides 10a - 10d to the output optical 15 waveguide 11. The optical switch is provided with 16 optical fibers 20 for connecting the coupling optical waveguides 5a - 5d of the first switching parts 2A - 2 D to the different second coupling optical waveguides 10a - 10d of the second switching parts 3A-3D, respectively.